

Form PTO-948 (Rev. 06/03)  
Application No. 1018 487

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 7/10/03 are:

A.  approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
 B.  objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

<b>1. DRAWINGS.</b> 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).	<b>8. ARRANGEMENT OF VIEWS.</b> 37 CFR 1.84(i)
<input type="checkbox"/> Color drawings are not acceptable until petition is granted. Fig(s) _____	<input type="checkbox"/> Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____
<input type="checkbox"/> Pencil or non black ink not permitted. Fig(s) _____	<b>9. SCALE.</b> 37 CFR 1.84(k)
<b>2. PHOTOGRAPHS.</b> 37 CFR 1.84(b)	<input type="checkbox"/> Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____
<input type="checkbox"/> One (1) : all-tone set is required. Fig(s) _____	<b>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS.</b> 37 CFR 1.84(l)
<input type="checkbox"/> Photographs may not be mounted. 37 CFR 1.84(c)	<input checked="" type="checkbox"/> Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) <u>A11</u>
<input type="checkbox"/> Photographs must meet paper size requirements of 37 CFR 1.84(l). Fig(s) _____	<b>11. SHADING.</b> 37 CFR 1.84(m)
<input type="checkbox"/> Poor quality (half-tone). Fig(s) _____	<input type="checkbox"/> Solid black areas pale. Fig(s) _____
<b>3. TYPE OF PAPER.</b> 37 CFR 1.84(e)	<input type="checkbox"/> Solid black shading not permitted. Fig(s) _____
<input type="checkbox"/> Paper not flexible, strong, white, and durable. Fig(s) _____	<b>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS.</b> 37 CFR 1.84(p)
<input type="checkbox"/> Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____	<input checked="" type="checkbox"/> Numbers and reference characters not plain and legible. Fig(s) <u>A11</u>
<b>4. SIZE OF PAPER.</b> 37 CFR 1.84(f): Acceptable sizes:	<input checked="" type="checkbox"/> Figure legends are poor. Fig(s) <u>A11</u>
<input type="checkbox"/> 21.0 cm by 27.7 cm (DIN size A4) or 21.6 cm by 29.9 cm (8 1/2x 11 inches)	<input type="checkbox"/> Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____
<input type="checkbox"/> All drawing sheets not the same size. Sheet(s) _____	<input type="checkbox"/> English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____
<input type="checkbox"/> Drawing sheets not an acceptable size. Fig(s) _____	<input type="checkbox"/> Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____
<b>5. MARGIN.</b> 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm	<b>13. LEAD LINES.</b> 37 CFR 1.84(q)
<input type="checkbox"/> Margins not acceptable. Fig(s) <u>34</u>	<input type="checkbox"/> Lead lines missing. Fig(s) _____
<input type="checkbox"/> Top (T) <input checked="" type="checkbox"/> Left (L)	<b>14. NUMBERING OF SHEETS OF DRAWINGS.</b> 37 CFR 1.84(l)
<input type="checkbox"/> Right (R) <input type="checkbox"/> Bottom (B)	<input type="checkbox"/> Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s) _____
<b>6. VIEWS.</b> 37 CFR 1.84(h)	<b>15. NUMBERING OF VIEWS.</b> 37 CFR 1.84(u)
<b>REMINDER.</b> Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the specification and the Brief Description of the Drawings must likewise be changed.	<input type="checkbox"/> Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
<input type="checkbox"/> Views not labeled separately or properly. Fig(s) _____	<b>16. DESIGN DRAWINGS.</b> 37 CFR 1.152
<b>7. SECTIONAL VIEWS.</b> 37 CFR 1.84(h)(3)	<input type="checkbox"/> Surface shading shown not appropriate. Fig(s) _____
<input type="checkbox"/> Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____	<input type="checkbox"/> Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) _____

### COMMENT:

Reviewer B. B. DOETZ GREGORY  
If you have questions, call (703) 305-8404.

Date 5-6-04  
Attachment to Paper No. 20040505